

External and internal components of the cochlear implant.

Cochlear implants: Answers to key questions about their value and use

by James M. Pickett

Dr. James M. Pickett, director of Gallaudet's Sensory Communication Research Laboratory since 1964, offers his assessment of cochlear implants in the following brief summary.

The Food and Drug Administration's 1984 approval of the clinical application of cochlear implants to certain deaf individuals has resulted in a flurry of media attention devoted to the promising possibilities associated with these devices.

Some reports have implied that the implants will soon be able to cure or circumvent deafness. Many hearing-impaired individuals or their parents consequently want to know more about how implants work and how they may be obtained.

What follows are some questions people typically ask, with answers that represent in nontechnical language my own best professional judgment. I have arrived at these conclusions as a result of my reading and analysis for the technical literature and participation in research conferences on the effectiveness of cochlear implants and other devices. Some researchers, of course, might disagree with some of my views.

What are they? Cochlear implants are electronic devices that can be considered for use by people who are profoundly deaf in both ears. The visible

part, a receiver about the shape and size of a Sony Walkman, is usually worn on a belt around the chest. A cord coming out of this receiver goes to a button held behind the ear by an implanted magnet; this button communicates by radio to electrode wires imbedded under the skin. The wires go into the cochlea, where they can stimulate the hearing nerves.

Two types of implants are available: single-channel, using only one electrode, and multi-channel, using many electrodes.

Who should use them? The ideal candidate is an adult who has normal speech, has had hearing in the past, is now profoundly deaf in both ears and does not benefit from hearing aids. The candidate must be highly motivated because extensive testing and rehabilitation are necessary. FDA regulations presently require that deaf children under 18 not be accepted as candidates in clinics.

How well do they work? Present cochlear implants do not restore sounds like those heard by normal-hearing people. Instead, implants give impressions of beeps, buzzes and hisses that are unlike the original sounds. This is because the implants cannot themselves separate the different sound qualities as does the natural cochlea. Also, the hiss-receiving nerves often get the strongest stimulation.

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College's '86 budget signed; Pay increases due Jan. 28

When President Reagan signed the U.S. Department of Education's fiscal 1986 appropriation bill last month, it was the last step in an 18-month process—but the most important one for ensuring that Gallaudet will continue to pay competitive salaries for its faculty and staff.

The FY '86 budget approval process began for Gallaudet in June 1984 and climaxed December 12 with the College receiving a \$3.3 million increase to \$62 million.

How did this happen in a year when budget cutting is the big political theme on Capitol Hill?

"It was a tremendous accomplishment," said Jim Barnes, vice president for Administration and Business, "especially getting a budget for salary increases at a time when federal employees and many programs are getting zip."

In the middle of the congressional budget approval process last spring, Gallaudet was scheduled for an FY '86 increase of only \$189,000, primarily to cover increased utility costs. Throughout this year's appropriations process, the College steadfastly appealed to the administration and Congress regarding salary increases, maintaining that the increases were absolutely essential for attracting and retaining the high quality faculty and staff

needed for Gallaudet's unique programs.

A key element in that appeal was an emphasis on comparing Gallaudet salaries to other colleges and universities in the metropolitan D.C. area. This approach was aided by a spring 1985 report in the *Washington Post* which listed Gallaudet's collegiate faculty salaries as the second lowest among area colleges and universities. Further, the General Accounting Office (GAO) reported that Gallaudet's faculty salaries were low compared with those of colleges and universities nationally.

Credit for the success of the salary increase appeal goes primarily to President Jerry C. Lee, according to Barnes.

"He was the prime mover and shaker, helped directly and indirectly by many individuals both on and off campus," said Barnes.

"Congress is primarily interested in the impact of Gallaudet College on the nation. Dr. Lee has succeeded not only in building a tremendous relationship with Congress but also in demonstrating what Gallaudet is all about.

"I know that Dr. Lee was particularly pleased by the support he received from members of the campus community, the Board of Trustees and the many friends who support the College," said Barnes.

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Members of faculty and staff invited to join 'Cornerstones' campaign effort

Gallaudet is looking for a little help from its friends, from the people who know the College best.

A new campaign entitled "Cornerstones" is being launched for the purpose of soliciting donations from four different areas of support, according to Vice President Lou Markwith. Those four "cornerstones" are alumni, parents, trustees and faculty/staff.

The campaign is "not a high-pressure sort of thing," said Markwith. "It'll be people asking people to contribute." Faculty and staff chairs are being recruited for the campaign, and much of the solicitation will be conducted by direct mail.

The start of the campaign coincides with the introduction of payroll increases on campus [see related story], and administrators hope that this will encourage members of the College community to contribute.

"It can be a significant way to support the institution," said Markwith. "When I go to other places and request donations, I'm often asked how many

of our own people support the institution. In other words, do the people who have a direct relationship with the institution care enough to make a gift? It's difficult to ask others to support this institution if the people who benefit the most—who receive an education here or who earn their livelihood here—do not contribute. Then why should anyone else?"

Markwith said that those working on the "Cornerstones" campaign will encourage faculty and staff to use the payroll deduction system to make it easier to contribute.

Richard Meisegeier, who is general co-chair of the campaign with Shirley Jordan, said, "We urge Gallaudet community members to be generous with their contributions, but more important than the total amount given is the total number who give."

Faculty/staff division chairs of the campaign are Rudy Hines, Prep Program; Tim McCarty, MSSD; Nancy Kensicki, alumni, faculty and staff; and Al Couthen, KDES.

High tech cochlear implants raise questions—and get some answers

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The implantee must learn to associate these signals with normal sounds over a period of months or years. Individual results vary a great deal and the reasons for the variability are not well understood. Most implantees attest to the value of the learning period as bringing them back in touch with their environment.

Some single-channel implantees report improvement in lipreading while others report little or no improvement. Most multi-channel implantees report large improvements in lipreading.

What about future implants?

There are about a dozen research groups around the world working on better implants for hearing. The group in Australia has reported the best results to date. It implants many electrodes that can produce more variation in sound qualities than the single-electrode implant. The sound sensations are still not normal, and individual results are still unpredictable. But a few of the Australian implantees have learned to understand speech over the telephone to a limited extent.

This implant will soon be available for adults, but not for children. There is much further research to do, and the better implants are more complex and costly than the single-channel implant.

What about implants for deaf children? Implants for children are highly controversial at this time. Several hundred children have received the single-electrode implant in a research program, and this implant may soon be approved for clinical use in children. The results reported thus far have not been dramatic, although it is apparent that the small benefit received by formerly hearing adults with such an implant is also available to the children.

Special tactile aids that convert sounds into sensations on the skin are now available for deaf children. This author recommends trying the tactile approach while awaiting the development of improved implants for children.

What about future hearing aids?

Some nearly deaf persons whose hear-

ing is no longer usable with hearing aids have been helped by special sound-clarifying devices fitted onto their hearing aids. Several research groups are currently working on such sound-clarification mechanisms, which are not yet on the market.

The person with severe—but less than profound—hearing loss should await the availability of these sound-clarifying aids that can make better use of what hearing is left. These individuals should not consider an implant, for which they usually would not be accepted anyway.

What alternatives to surgical aids are available? Tactile vibrators, worn on the skin, can provide vibratory information about sounds that seems to be as useful as the information conveyed by the current single-channel implant. There is also a multi-channel tactile system that is worn as a belt. As with implants, a learning period with rehabilitation procedures is necessary.

Another alternative is to explore thoroughly the many new hearing aids on the market to find the one that best aids lipreading for one's particular uses. Either of these alternatives (costing between \$500 and \$3,500) would be less expensive than implants, which cost between \$10,000 and \$20,000.

How can more information be obtained? Your local audiology clinic and otolaryngologist can provide counsel and other information.

New trade association formed in Washington

A new trade association called the Council on Assistive Devices and Listening Systems (COADLS) was organized recently in Washington, D.C. The primary goal of this organization of manufacturers and distributors is to inform the public about electronic devices and systems that can help hearing impaired people.

In order to increase the use of new technologies, COADLS is calling for greater cooperation between existing organizations of physicians, rehabilitation specialists, audiologists, teachers, hearing aid dispensers and hearing impaired consumers.

Membership in COADLS is open to individuals, professional and consumer organizations and manufacturers and distributors of products for hearing impaired individuals.

Cynthia Fernandes, coordinator of the Assistive Devices Center in Gallaudet's Department of Audiology, said, "Although it is a trade association comprised of people with economic interests, it does invite membership by professionals and consumer groups. By everyone joining efforts, more hearing impaired people will become aware of and will benefit by assistive devices."

For a membership application and further details on the COADLS program, write George W. Fellendorf, executive director, P.O. Box 32227, Washington, DC 20007.

Correction

In the story of Israel Sela's research findings (Dec. 16 *On the Green*), the directory to be published next spring will include 344 (not 6,000) programs that offer special services for elderly hearing impaired individuals.



Laurent Clerc's bicentennial birthday was celebrated with many activities on Dec. 17. Above, Francis Higgins and President Jerry C. Lee applaud Gilbert Eastman's remarks following the unveiling of the Clerc portrait. Donald Staehle (right) holds the veil.

Announcements

The rehabilitation counselor training program has available a two-year competitive scholarship to be awarded to a full-time female rehabilitation counseling student entering in the fall of 1986. The scholarship is provided by Soroptimist International of Washington, D.C. in an amount up to \$6,500 yearly. Those wanting more information can contact Dr. Marita Danek in the Department of Counseling, x5586.

The Department of Audiology will offer a Special Topics Course, "Communication and the Hearing Impaired (Aud 795)," on Tuesdays from 6-8:30 p.m. during second semester. The course is designed for professionals in audiology, speech pathology, education or related areas. For more information, contact Dr. Mary June Moseley or Dr. James Mahshie, Department of Audiology, x5328 (V/TDD).

Effective Jan. 8 the HEW Credit Union representative will be at the Ely Center office on Wednesdays from 10 a.m. to 12:15 p.m. This is a change from the Thursday schedule. Anyone with questions can call Kayt Lewis, x5113.

The 2nd National Conference on Habilitation and Rehabilitation of Deaf Adolescents will be held April 28-May 2 in Afton, Okla. Among the sponsors of the conference are the National Academy and the Gallaudet Regional Center at Johnson Community College in Kansas. For more information and reservations, write the Tulsa Speech and Hearing Association, 10301-E East 51st St., Tulsa, OK 74146, or call (918) 633-9920 (V/TDD).

The National Archives' Office of the Federal Register will provide an interpreter for hearing impaired participants at a free workshop, "The Federal Register: What It Is and How To Use It," to be held Jan. 17 from 9 to 11:30 a.m. in the first floor conference room at 1100 L St. NW, Washington, D.C. Participants will receive workbooks and step-by-step guidance through various publications, as well as the opportunity to work through a research problem using *Federal Register* finding aids. For

more information, call Melanie Williams at the Office of the Federal Register, 523-5229 (V/TDD). Reservations for the two workshops will also be taken at this number.

Delta Airlines has established a nationwide toll-free line for hearing impaired individuals wanting information about flights, fares, missing baggages, delays, etc. The TDD number for all states except Georgia is 800-672-8530. In Georgia only, the number is 800-831-4488.

The Department of Sign Communication announces that Sign Language Instruction for Gallaudet Employees (SLIGE) will be held Feb. 17 to May 2 with a spring break Mar. 18-22. Registration forms will be available in Kendall Hall Feb. 12-14 between 9 a.m. and noon. Information on class times and locations will be provided at registration.

For more information about SLIGE or about holding classes within a department, call Lynn Jacobowitz, x5633.

Faculty member sued for negative comments

Have you ever written a letter of reference for a student or employee? And have you ever included negative references about that person's work or character?

If so, you might want to be more careful in the future. The Supreme Court is deciding whether a faculty member at the University of Nebraska medical school can be sued for libel by a former student now residing in Colorado.

In a letter of reference to a Colorado hospital, the faculty member referred to the former student's performance as "below average" and said "he might serve adequately in some field of medicine but not that of orthopedic surgery."

The student sued for libel. The faculty member argued that, as a resident of Nebraska, he could not be tried in a Colorado court. The Supreme Court will decide that issue, which is separate from the faculty member's claim that the letter was truthful and nonlibelous.

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Boy's letter to his friend at Gallaudet delivered to right name, wrong person

Once upon a time, a little boy named Sean O'Brien, a student at the Maryland School for the Deaf, wrote a letter to his good friend and former babysitter, David Martin, a student at Gallaudet.

Sean, 9 years old, told his friend that he missed him very much, and said that he would like David to come see him play midget football. "I work very hard in school," he said. "I was a very good boy this month," he added.

What Sean didn't know is that there are two David Martins on campus. One is a freshman and a member of the football team. The other is the dean of the School of Education and Human Services, Dr. David Martin.

Sean's letter ended up on Dr. Martin's desk. Because he takes all his correspondence seriously, Dr. Martin drafted a reply to Sean.

"Dear Mr. O'Brien," he wrote, "I have received your letter of Sept. 25. I understand that you are a member of the football team, and I appreciate your invitation to me to come and watch you. I will not be able to attend because I must be at another school (the Western Pennsylvania School for the Deaf in Pittsburgh, Pa.) on that day."

"However," Dr. Martin continued, "I will mention this event to our coaches so that they will be aware of your

game. Thank you very much for letting us know about your game, and you have my best wishes for a successful season with number 84. Sincerely, Dr. David S. Martin."

Sean's teacher, who had helped him write and send the original letter, was puzzled by the reply. "I tried to figure out why David's letter was so formal and so very generous," said Marcia Corbett. When the truth dawned on her, she wrote a letter to Jack Gannon, executive director of Alumni Relations and Advancement, telling him the story of the wayward letter.

Gannon wrote her back: "I was amused by what happened but pleased to learn that Dr. Martin responded so well. I think his response reflects his commitment to his job and to deaf people. He is a fine person to work with, and I know you would enjoy knowing him too."

Dr. Martin later realized that Sean's letter had been meant for the other David Martin, whose mail is sometimes mistakenly delivered to his office, and he passed it on.

Sean, meanwhile, may have learned a small lesson about titles like "Mr." and "Dr." And maybe about adults who take the time to treat youngsters like people.

Successful budget appeal provides salary increases for all staff, faculty

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One of the ironies in the process was that the congressional oversight hearing on Gallaudet during the summer offered some advantages. "To be sure, the oversight process has raised and will continue to raise significant questions about the future of educating deaf persons," said Barnes.

"However, the hearing last summer also served the valuable purpose of reminding people that Gallaudet is the flagship, premier institution of its kind, serving a vital role for the nation. In the past year the College has had an unusually high number of opportunities to demonstrate to people on the Hill the scope of Gallaudet's mission and the high quality of our programs and services."

The salary increases are retroactive to Oct. 1 and are expected to be included in the paychecks of Jan. 28.

As Dr. Lee noted in his Nov. 22 letter to faculty and staff, "it is difficult to predict what may happen in future years" regarding congressional approval of Gallaudet's budget. Barnes explained that the College's FY '87 budget is now in the Office of Management and Budget (OMB) and that preparations are now being made for College testimony before Congress in the spring.

There will also be a second GAO report, slated for February 1986. This report will compare Gallaudet against the four federally-sponsored regional programs at California State University-Northridge, Seattle, St. Paul TVI and Tennessee.

"Don't get the impression of easy times ahead," said Barnes. "Each year we have to begin all over again with the task of demonstrating to the nation the worthwhile nature of the institution."

Writing award winners are announced

"The ability to express your deepest feeling in writing is a wonderful gift, and I congratulate you for your efforts to develop that gift and for your present achievements," said Catherine Ingold, dean of the College of Arts and Sciences, in announcing the winners of the 1985 Rakow Creative Writing Contest. Dr. Ingold presented awards at a Dec. 12 dinner honoring the writers.

Elbridge Price, winner in the senior category, was presented with a check for \$1,500. Melanie Wilding, junior category, received \$750; Jennifer Nelson, sophomore category, received \$500; and senior Thomas Brislin winner in the "most improved" category, received \$250.

The annual award was established by Jules Rakow in memory of his wife, Lillian Gourley Rakow, a Gallaudet graduate who was an educator of deaf students and a published writer.

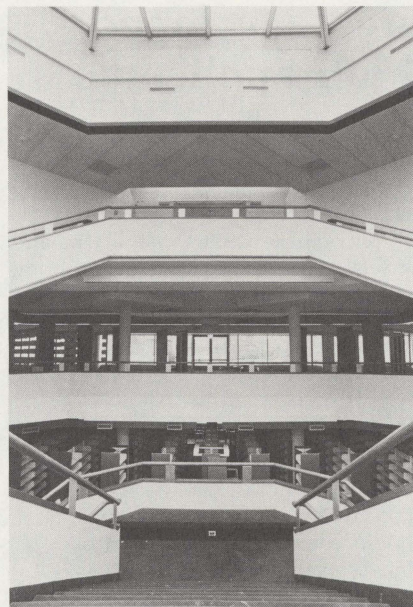
Douglas Miller, associate professor of

English and coordinator of the contest, in his address to the participants, said, "It is the hope of the College community that the success of this year's contest will encourage more undergraduates to engage in creative writing as a serious endeavor."

Judges for the competition were Beryl Benderly, author of "Dancing Without Music;" Margaret Walworth, assistant professor of English; and Evelyn McClave, Foreign Language Department instructor.

Special guests were Dr. Russell Astley, chair of the English Department; Lou Markwith of College Relations; and Mary Johnstone, writer for "On The Green" and "Gallaudet Today" and former winner of the Rakow creative writing contest.

"These awards have encouraged people to present gifts in recognition of excellence in communication," said Markwith.



Five years ago this week the Learning Center opened. Originally called the Gallaudet College Learning Center, the facility was dedicated in 1985 to Edward C. Merrill Jr., the College's fourth president.

At-risk newborns focus of new law

Newborn infants in Maryland identified as being at risk of developing a hearing impairment will soon receive early intervention treatment and monitoring procedures under a new state law.

Officials in Maryland are currently devising a program to comply with the law, enacted this year, that will be administered by the state Department of Health and Mental Hygiene (DHMH).

Hospitals will be required to distribute high risk questionnaires with accompanying information about hearing impairment to each new parent/caregiver. Infants identified as having one or more of the factors on the questionnaire will be considered at high risk for hearing loss.

The DHMH will screen the questionnaires and maintain a list of those infants found to be at risk. The DHMH must then contact the parents of each of those infants to inform them of the newborn's hearing status. At the same time, the DHMH will provide information about available medical, audiological, educational and mental health resources.

The new law requires DHMH to maintain a comprehensive information and referral bank on hearing loss and a toll-free telephone line (V/TDD) for parents, professionals and the general public.

Women's degrees up

More than 21,800 women were awarded their first professional degrees from U.S. educational institutions in 1982-83, according to the National Center for Education Statistics.

The total was more than six times the number of women receiving such degrees in 1972-73. Also, in 1982-83 more than 60 percent of the professional degrees awarded women were in the field of law; 10 years earlier more than 60 percent of those degrees were in medicine.

Women were awarded 36 percent of all law degrees in 1982-83, compared to only 1 percent of such degrees in 1972-73.

You and Your Job

Your Retirement Program

Part 5 of 5-part Series

This series describes retirement benefits for regular-status employees hired prior to January 1, 1984 and contributing solely to the Civil Service Retirement System. Future articles will address changes in the retirement program for employees hired on or since January 1, 1984.

Applying for Refund or Annuity

If you have fewer than five years of service, you are not vested with the Civil Service Retirement System. Should you leave, you have two options:

- 1) You may apply to withdraw your contributions from the system. The amount you have contributed will be returned to you from the U.S. Treasury Department with approximately three percent interest.
- 2) You may elect to leave your funds on deposit if you plan to have future service under the system within 365 days of separation. If you withdraw your funds and return to CSR employment, you will have to redeposit the funds, including interest, if you wish to take advantage of the maximum rates at the time of your retirement. If you elect not to redeposit, your annual retirement annuity would be reduced, because you will not receive credit in the computation of annuity for the time covered by the refund.

You may apply for a refund only if you terminate from regular status with the College. To apply, you must complete an "Application for Withdrawal of Retirement Funds Form" available in the Personnel Office.

If you are retiring from the College under the mandatory, optional or discontinued service provisions, you should contact the Personnel Office approximately 30 days before your scheduled retirement date. Please note, however, if you need to make a redeposit, you should contact the Personnel Office approximately one year from your date of retirement or earlier to arrange repayment. This procedure takes some time.

The Personnel Office will be able to give you the appropriate forms for annuity application and procedures for converting your health and life insurances. The Personnel Office will also be able to give you a relatively close estimate of your retirement annuity.

Your application for retirement consists of completing a Standard Form #2801-108, "Application for Immediate Retirement." This form is returned to the Personnel Office. As soon as the Personnel Office receives your removal Personnel Action Form and your final paycheck is processed, the Personnel Office submits your application along with a 2806, "Individual Retirement Record," to the Office of Personnel Management for processing.

Your annuity is calculated from the date of separation; however, it may take up to 90 days before you receive a "special payment annuity check," which is an interim payment until the final calculation is verified and completed, and up to another 90 days before you receive your regular, official annuity.

New testing procedures developed for hearing impaired job applicants

The Office of Washington Area Examining Operations (OWAEO), U.S. Office of Personnel Management (OPM), has recently reviewed its testing procedures to make accommodations for hearing impaired job applicants.

OPM will modify examination procedures on an individual basis, depending on the applicant's disability. The recent accommodations include the following:

- OPM will arrange for a sign language interpreter to interpret test instructions (not test questions) in the OWAEO only. Two weeks notice is required; applicants should call Jacqueline Gray, 653-9260 (V/TDD).

- Hearing impaired persons may also request an individual testing session, with or without an interpreter, by calling Jacqueline Gray (above).

- Complete written instructions and a seat in the front of the testing room are provided for the walk-in examination for clerical positions. Applicants should report to room 1425 in the OWAEO several minutes prior to the testing; signs point the way.

- For the clerical positions examination, applicants are allowed to choose whether or not to take the second portion, which contains only verbal abilities questions and tends to screen out many hearing impaired applicants. A newly-developed table is used to assign an overall rating based on the applicant's score on the first portion of the examination.

If an applicant chooses to take the second part, the rating given will be either the earned score or the score from the table, whichever is higher. In order to receive this accommodation, the applicant must inform the examiner that he or she is hearing impaired. On some other examinations, the verbal portion is deleted; this is handled on an individual basis.

- Additional time is allowed on some examinations in order to compensate for a possible verbal abilities deficit and to permit hearing impaired applicants the opportunity to compete on the same basis as other candidates.

The OPM, located at 1900 E St. NW, is the central personnel agency for federal service positions, accepting and evaluating applications and conducting examinations. The Federal Job Information/Testing Center has information on federal jobs in the Washington, D.C. metropolitan area.

DPER will respond to readers' questions

The Department of Physical Education and Recreation (DPER) has consented to respond to questions from readers related to exercise, fitness and sport.

The DPER over the years has strongly encouraged, through a variety of programs on campus, an awareness, interest and participation in fitness related activities. An outgrowth of these activities has been numerous questions about fitness posed by participants and other people. The purpose of forthcoming articles in *On the Green* will be to share with other people on campus the answers to often-asked questions about exercise, fitness and sport.

Any reader interested in posing a question that can be readily answered in *On the Green* should send the question to: Department of Physical Education and Recreation, Field House 101. Members of the DPER will respond in subsequent *On the Green* issues.

Hall of Fame backed

The Laurent Clerc Cultural Fund Committee has decided unanimously to contribute toward renovation of the Field House Hall of Fame. The committee voted at a recent regular meeting to request that \$2,300 be made available from the Gallaudet College Alumni Association (GCAA) to the School of Education and Human Services for the Hall of Fame project.



Monika Valgema exhibits some of the form that has made her one of the star Gallaudet dancers. Valgema, a senior, has performed with the College dance company for five years.

Sussman seeks 'new challenges'

Saying that he is "seeking new challenges" and that he "misses full-time teaching and clinical supervision," Allen A. Sussman has submitted his resignation as dean of Student Affairs, effective July 1. Dr. Sussman will resume full-time teaching in the Department of Counseling.

Dr. Sussman has been with the Department of Counseling since 1973. He became director of the Counseling and Placement Center in 1976 before becoming dean of Student Affairs in 1980. While serving as dean, Dr. Sussman continued part-time in the Department of Counseling, teaching "Philosophies and Theories of Counseling." He will teach three graduate courses next fall.

During his tenure as dean, Dr. Sussman reorganized the Office of Student Affairs and introduced a number of new projects such as the student paraprofessional program, the Student Affairs research program and the student judicial program.

"All faculty and staff members of the Department of Counseling are looking forward to his return to full-time teaching," said Dr. Frank R. Zieziula, chair of the department. "Dr. Sussman is an excellent teacher, and we're excited and happy that we will have his expertise on a full-time basis."

Among Ourselves

Gil Delgado gave the keynote address for the annual conference of Coastal Region Programs for Deaf Individuals held in McAllen, Tex., in November. Dr. Delgado spoke on the topic of deaf children in non-English speaking homes. He also conducted a workshop for Spanish-speaking parents of deaf children.

Catherine Kelbacher of the English Department presented a paper on "American Zen Authors: Kerouac, Salinger and Pirsig" at the recent annual convention of the South Atlantic Modern Language Association in Atlanta.

New center opens with 13 computers

Through a Presidential Award project by the Department of Biology, Chemistry and Physics, a new Science Learning Center is now open in HMB 307.

Currently available in the new center are nine IBM-PC/XTs with hard disks and four Apple computers. Printers are available for all of the IBMs; a plotter will also be operative soon.

Each IBM is capable of running all of the "Assistant" series of programs (Writing, Filing, Reporting and Graphing), and each also has a Side Kick all-purpose memory-resident program.

The center is open with user aides present from Monday through Saturday, 11 a.m. to 5 p.m., and Sunday from 1 to 5 p.m. Other times can be arranged with Donald Peterson, coordinator, HMB 310.

While science classes have priority, the center may be used by anyone on campus.

Jobs Available

Some of the advertised staff positions may already be filled. For updated information, call the JOB RECORDING in the Personnel Office, x5514 or x5520 TDD.

SECRETARIAL POSITIONS: Contact Personnel for listing.
PROVOST OF GALLAUDET COLLEGE
ASSISTANT DIRECTOR: International Center on Deafness
UNDERGRADUATE ADMISSIONS ASSISTANT: Admissions
COUNSELOR EDUCATOR: Department of Counseling
COMPUTER PROGRAMMER, BUSINESS APPLICATIONS: Personnel
ENGLISH TEACHER: MSSD
REGISTERED NURSE: Student Health Service
SUBSTITUTE TEACHERS: MSSD
COMMUNICATION SPECIALIST, SPEECH: KDES
VOCATIONAL EVALUATOR: MSSD
AUDIOLOGIST: MSSD
DRAFTING & DESIGN INSTRUCTOR: MSSD
MANAGER, DESIGN & CONSTRUCTION: Physical Plant
INTERPRETER: Interpreting Services
INDUSTRIAL ARTS TEACHER—ELECTRONICS: MSSD

Classified Ads

FOR SALE: 1980 Toyota truck, exc. cond., AC, radio, \$2,800. Call Stewart, x5204.

WANTED: Mature female roommate, nonsmoker, in Seabrook. Fireplace, swimming pool, kitchen privileges. Call 794-7690 (TDD) eves.

WANTED: Roommate to share 4-BR house in Silver Spring, \$200/mo., plus 1/5 util. Great bus and subway transportation, swimming pool. Call Nancy, 495-4360 (TDD).

FOR RENT: 1-BR apt. two blocks from Kendall Green, lg. LR w/fireplace, modern eat-in kitchen, W/D. \$425/mo. plus util. Furn. optional. Call Patty or Evans, 544-1513.

FOR SALE: Holiday Spa executive membership and TeleCaption decoder, both at exc. prices. Call Dave, x5350 or 345-4236 (TDD).

ROOMMATE WANTED: Female nonsmoker for apt. in Bladensburg. Pool/tennis, near Metrobus, 15-min. drive to Kendall Green. \$200/mo. plus gas/elec. Call Sandra, x5578 or 277-2635 (TDD).